WHAT IS CLAIMED:

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- 1. Apparatus for applying heat to articles enclosed in shrink-wrap film, the apparatus comprising:
 - (a) a conveyor having a plurality of first apertures therethrough;
 - (b) wherein the conveyor moves in a first direction;
 - (c) a source of heated air;
 - (d) a heated air plenum under the conveyor and supporting the conveyor, the plenum having a top surface having a plurality of second apertures therethrough;
 - (e) a fan blowing heated air from the source of heated air through the heated air plenum, through the second apertures, and through the first apertures;
 - (f) a return air plenum returning air to the source of heated air; and
 - (g) a shroud partially enclosing the conveyor along the first direction and spaced therefrom at a displacement, forming therewith a film shrinking area between the conveyor and the shroud.
- 2. The apparatus of claim 1, wherein the heated air plenum further comprises a bottom surface spaced from and opposing the top surface and forming a duct therebetween, the duct having a height, the height progressively decreasing along the first direction.
- 3. The apparatus of claim 1, wherein the first apertures and the second apertures are in substantial alignment as the conveyor moves along the first direction.
 - 4. The apparatus of claim 1, further comprising a conveyor cooling fan.
 - 5. The apparatus of claim 1, further comprising a side air duct adjacent the conveyor along the first direction, the side air duct transmitting heated air from the heated air plenum.
 - 6. The apparatus of claim 5, further comprising a supplemental heat source for the side air duct.
 - 7. The apparatus of claim 1, wherein the conveyor further comprises at least two side-by-side chains running along the first direction.

- 8. The apparatus of claim 7, further comprising a center air duct between the two chains, the center air duct transmitting heated air from the heated air plenum.
- 9. The apparatus of claim 8, further comprising a supplemental heat source for the center air duct.
- 5 10. The apparatus of claim 1, wherein the displacement is variable, thereby accommodating articles of different sizes.
 - 11. The apparatus of claim 10, further comprising a means for varying the displacement.
- The apparatus of claim 11, wherein the means for varying the displacement is manual.
 - 13. The apparatus of claim 11, wherein the means for varying the displacement is automatic.
 - 14. The apparatus of claim 1, wherein the second apertures are about 7/16" to 7/32" in size, thereby resulting in substantially vertical laminar air flow through the second apertures.
 - 15. The apparatus of claim 8, wherein the air flow from the center air duct is adjustable.
 - 16. The apparatus of claim 8, wherein the air flow from the center air duct is diffused.
- The apparatus of claim 1, wherein the second apertures further comprise nozzles.
 - 18. The apparatus of claim 1, further comprising a film separator on the conveyor.
 - 19. The apparatus of claim 7, further comprising a film separator between the conveyor chains.
- 25 20. The apparatus of claim 1, further comprising an air flow control mechanism controlling the volume of heated air passing through the second apertures.

- 21. The apparatus of claim 20, wherein the air flow control mechanism comprises one or more air lanes in the heated air plenum.
- 22. The apparatus of claim 21, further comprising one or more baffles selectively blocking air flow across the one or more air lanes.

- 23. A heat tunnel for applying heated air to articles enclosed in shrink-wrap film, the heat tunnel comprising:
 - (a) a moving conveyor chain comprising first apertures separated by link bars;
 - (b) a heated air plenum under the conveyor chain and supporting the conveyor chain, the heated air plenum having a top surface having second apertures therethrough;
 - (c) a source of heated air;

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- (d) a side air duct receiving heated air and directing the air transversely across the conveyor chain;
- (e) a return air plenum; and
 - (f) a shroud partially enclosing the conveyor chain and spaced therefrom, forming therewith a film shrinking area between the conveyor and the shroud.
- 24. The heat tunnel of claim 23, wherein the heated air plenum is tapered vertically along the conveyor chain in the direction of the conveyor chain.
- 25. The heat tunnel of claim 23, further comprising at least one additional conveyor chain.
- 26. The heat tunnel of claim 25, further comprising a center air duct between the conveyor chains and directing heated air transversely across the conveyor chains.
- The heat tunnel of claim 26, further comprising a supplemental heat source for the center air duct.
 - 28. The heat tunnel of claim 23, wherein the spacing between the shroud and the conveyor chain is variable, thus accommodating different sized articles.
 - 29. The heat tunnel of claim 28, further comprising a motor lowering and raising the shroud relative to the conveyor chain.
- 25 30. The heat tunnel of claim 23, wherein the second apertures are in substantial linear alignment with the first apertures.

- 31. A heat tunnel for applying heated air to articles enclosed in shrink-wrap film, the heat tunnel comprising:
 - (a) at least one air supply unit, the air supply unit further comprising a source of heated air, a fan, a heated air plenum, air ducts, and a return air plenum;
 - (b) a conveyor chain; and

- (c) a heat shroud spaced from the conveyor chain,
 wherein multiple air supply units can be provided along the conveyor to create
 a heat tunnel of desired length.
- 32. The heat tunnel of claim 31, wherein the heated air plenum is tapered vertically along the conveyor chain in the direction of the conveyor chain.
 - 33. The heat tunnel of claim 31, further comprising at least one additional conveyor chain.
 - 34. The heat tunnel of claim 33, further comprising a center air duct between the conveyor chains and directing heated air transversely across the conveyor chains.
- 15 35. The heat tunnel of claim 34, further comprising a supplemental heat source for the center air duct.
 - 36. The heat tunnel of claim 31, wherein the spacing between the shroud and the conveyor chain is variable, thus accommodating different sized articles.
- The heat tunnel of claim 36, further comprising a motor lowering and raising the shroud relative to the conveyor chain.
 - 38. The heat tunnel of claim 31, wherein the conveyor chain further comprises first apertures separated by link bars, wherein the heated air plenum has a top surface having a plurality of second apertures, and wherein the first apertures and the second apertures are in substantial linear alignment.
- 25 39. The heat tunnel of claim 31, wherein the source of heated air is removable from the air supply unit.
 - 40. The heat tunnel of claim 31, wherein the source of heated air is controlled to maintain a constant temperature in the heated air plenum.

- 41. The heat tunnel of claim 31, further comprising a sensor in the heated air plenum, the sensor controlling the temperature of the source of heated air.
- 42. The heat tunnel of claim 31, wherein the fan has a variable speed to adjust the flow of heated air through the heated air plenum.
- 5 43. The heat tunnel of claim 31, wherein the fan is removable from the air supply unit.
 - 44. The heat tunnel of claim 31, further comprising a side air duct directing heated air transversely across the conveyor chain.
- 45. The heat tunnel of claim 44, further comprising a supplemental heat source for the side air duct.
 - 46. The heat tunnel of claim 44, wherein the side air duct has an adjustable opening.
 - 47. The heat tunnel of claim 44, further comprising a diffuser on the side air duct.

- 48. A modular air supply unit for a heat tunnel for applying heated air to articles enclosed in shrink-wrap film, the air supply unit comprising a source of heated air, a fan, a heated air plenum, air ducts, and a return air plenum, the fan blowing heated air from the source of heated air along the heated air plenum.
- 5 49. The modular air supply unit of claim 48, wherein a plurality of the modular air supply units may be serially arranged thereby producing a heat tunnel of variable length.
 - 50. The modular air supply unit of claim 48, the heated air plenum being tapered in cross section transversely to the direction of heated air movement with the cross-sectional area of the plenum progressively decreasing away from the fan.
- The modular air supply unit of claim 48, further comprising a removable center air duct receiving heated air from the heated air plenum.
 - 52. The modular air supply unit of claim 51, further comprising a supplemental heat source heating air passing through the center air duct.